BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : PACKAGE 6: Drilling of bore well and providing pump motor and laying pipeline in ward no 05 and surrounding area byatarayanapura sub division

MODIFIED SCHEDULE-B

Sl No	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
1	Carrying out geophysical survey Geophysical investigation of site for sinking bore well for supplying drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drilling required to cover full depth of auquifer propopsed to be tapped Proboabale yield and other information required including transporetation technical personal and labour etc as per the directions of the Engineer-in-charge of the work	Each	39.00	2617.0	Rupees Two Thousand Six Hundred Seventeen Only
2	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,) as per the directions of the Engineer-in-charge of the work (a)0 to 50 m	Rmt	1950.00	352.0	Rupees Three Hundred Fifty Two Only
3	b) 50.00 to 100.00 M	Rmt	1916.46	460.0	Rupees Four Hundred Sixty Only
4	c) 100.00 to 150.00 M	Rmt	1900.00	512.0	Rupees Five Hundred Twelve Only
5	d) 150.00 to 200.00 M	Rmt	1900.00	541.0	Rupees Five Hundred Forty One Only
6	e) 200.00 to 250.00 M	Rmt	1857.44	626.0	Rupees Six Hundred Twenty Six Only
7	e) 250.00 to 300.00 M	Rmt	2125.00	671.0	Rupees Six Hundred Seventy One Only
	Above 125%		1651.40	670.99	Rupees Six Hundred Seventy And Paise Ninety Nine Only

No	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
8	Supplying of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electic resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hat rolled steel skelp/ stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket and the other and with a plastic protection end (including of all taxes) and as per the directions of the Engineer-in-charge of the work	Rmt	2120.04	1482.0	Rupees One Thousand Four Hundred Eighty Two Only
9	Providing 175mm MS Collar as per direction of the Engineer in Charge of the work	Each	315.12	168.0	Rupees One Hundred Sixty Eight Only
10	Providing 175 mm dia Bore cap CE (M) as per the directions of the Engineer-in-charge of the work	Each	39.00	111.0	Rupees One Hundred Eleven Only
11	Providing and fixing 250 mm dia PVC(Casing Pipe) as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	Rmt	425.00	2907.0	Rupees Two Thousand Nine Hundred Seven Only
	Above 125%		160.00	2905.24	Rupees Two Thousand Nine Hundred Five And Paise Twenty Four Only
12	Providing and fixing in trenches galvanised I mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Mtr	7600.12	511.0	Rupees Five Hundred Eleven Only
13	ATALANTA, SUGUNA, C.R.I, KIRLOSKAR and Other Equivalent Pumps17.5 hp/13kv(30 STAGE) as per the directions of the Engineer-in-charge of the work	No	22.00	83067.0	Rupees Eighty Three Thousand Sixty Seven Only
14	supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of I|S8130-1984 and virging grade PVC isulation and sheathed suitable for working voltage upto 1100 volts as per 1x3x4 sqmm of 56 stands 0.3mm dia group A as per the directions of the Engineer-in-charge of the work	Mtr	15369.20	141.0	Rupees One Hundred Forty One Only
15	Providing and fixing in position 50 mm nominal bore non-return valve vertical typer of approved make including cost of all materials, labour and HOM of equipemnts with all leads complete as per spcifications and as per the directions of the Engineer-in-charge of the work	Nos	22.00	1700.0	Rupees One Thousand Seven Hundred Only
16	supplying and fixing 50 mm GI Union as per the directions of the Engineer-in-charge of the work	Nos	22.00	250.0	Rupees Two Hundred Fifty Only
17	supplying and fixing 50 mm GI Elbow as per the directions of the Engineer-in-charge of the work	Nos	44.00	124.0	Rupees One Hundred Twenty Four Only
18	supplying and fixing 50 mm GI Nipple as per the directions of the Engineer-in-charge of the work	Nos	44.00	116.0	Rupees One Hundred Sixteen Only
19	supplying and fixing 50 mm GI hose collar as per the directions of the Engineer-in-charge of the work	Nos	44.00	115.0	Rupees One Hundred Fifteen Only

No	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
20	Fabricating supplying and mounting MS box made out 14SWG uitable for floor wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrengements, with suitalbe size clamps with necessary calbe eintry pipe with gland and bo should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete as per the directions of the Engineer-in-charge of the work	Sq.Cm	440000.0	0.41	Rupees And Paise Forty One Only
21	Supplying and fixing angle iron frame work fabricated out of MS angle iron., and M.S flat., with bolts, washers etc., and painted with 2 coats of red oxide and then tow coats of approved paint-50x50x6mm as per the directions of the Engineer-in-charge of the work	Nos	22.00	378.0	Rupees Three Hundred Seventy Eight Only
22	supplying of TPST with rewireable porcelain channels in SM encloser. Made out of 14 SWG powder coated paint of approved colour. 32 amtps as per the directions of the Engineer-in-charge of the work	Nos	22.00	2088.0	Rupees Two Thousand Eighty Eight Only
23	Supplying and fixing 20"x20"X2.5" polished wood board made up not less than 15 mmm thick plank with front plak one end provided for olding at other end fixing the same of the value using through bolts and nuts as per the directions of the Engineer-in-charge of the work	Nos	22.00	338.0	Rupees Three Hundred Thirty Eight Only
24	supplying and fixing LED type Panedl board indicating lamp with required colour suitable for 220 v AC 50 HZ 12/24 DC as per the directions of the Engineer-in-charge of the work	Nos	22.00	495.0	Rupees Four Hundred Ninety Five Only
25	Supplying fully automatic Star delta starter unit push button type with suitable wires 3 Contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 /440 volts 3 phase and wired after fixing to the wooden board for motor. Upto 12.5 HP as per the directions of the Engineer-in-charge of the work	Nos	22.00	7360.0	Rupees Seven Thousand Three Hundred Sixty Only
26	supplying and fixing single phase preventor using Necessary wires over an existing panel board suitable for motor up to 20 HP capacities as per the directions of the Engineer-in-charge of the work	Nos	22.00	859.0	Rupees Eight Hundred Fifty Nine Only
27	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade multistrand copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS 694:1990 & confirming to GTP of Group-A.4 Sqmmas per the directions of the Engineer-in-charge of the work	Nos	440.00	47.0	Rupees Forty Seven Only
28	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to IS 2834 phase, 400/440 volts grade, for power factor improvement of rotating machineras per the directions of the Engineer-in-charge of the work	Rmt	88.00	463.0	Rupees Four Hundred Sixty Three Only

NO	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
29	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' typer curve, indicateor On/Off energy cross-3 with shord circuti breaking capacity of 10K and complete wiring as required confiming to IEC 60898, 40-63 AMpS TPN as per the directions of the Engineer-in-charge of the work	Nos	22.00	2165.0	Rupees Two Thousand One Hundred Sixty Five Only
30	Supplying and fixing wiring earth electrode for gounding condiuts. I.C cutouts and other equipements of the meter board using 40 mm dia 2.90 mm thick GI Pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150 mm all round the pipe to complete depth. the connection from the pipe to the conditu etc., is to be established throught GI wire of size as per ISI specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes o f122 mm dia as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Nos	22.00	3048.0	Rupees Three Thousand Forty Eight Only
31	supplying and fixing class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm as per the directions of the Engineer-in-charge of the work	Nos	88.00	385.0	Rupees Three Hundred Eighty Five Only
32	supplying of 1.1 KV Ltug cable having alluminium conductor PvC insulated extruded inner shealthed, galvanized, steel strip (except 2C X10Sq.mm wire arnoured) confirming to IS-3975 :1990 (No.of strip indicated in GTP) * extruded PVC outer sheathed armored cable with specified IS-1554 Part1:1988 & confirming to GTP of Group-A.4 core 16sqmm as per the directions of the Engineer-in-charge of the work	Nos	567.60	156.0	Rupees One Hundred Fifty Six Only
33	Labour charges for laying of 1.1 KV Class UG cable in existing trech GI Pipe stone ware pipe/on wall /on poles as required. In existing trech/duct.6sqmmto 16sqmm as per the directions of the Engineer-in-charge of the work	M	567.60	12.0	Rupees Twelve Only
34	Digging of trenches of 0.6X0.50 m wide refilling the trench to the required ground level and consolidating etc., complete-hard soil as per the directions of the Engineer-in-charge of the work	M	457.60	118.0	Rupees One Hundred Eighteen Only
35	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound complete the terminals, clamps, bots nuts and washers etc., for 16 sqmm as per the directions of the Engineer-in-charge of the work	Nos	22.00	314.0	Rupees Three Hundred Fourteen Only
36	Supplying and fixing of procelinfuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers, 63 Amps as per the directions of the Engineer-in-charge of the work	Nos	132.00	261.0	Rupees Two Hundred Sixty One Only

No	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
37	Earth work excavation for foundation of buildings water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m and aboe in width, in hard soil not exceeding, 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. afer breaking of clods complete as per specificatiosn and as per the directions of the Engineer-in-charge of the work	cum	1820.70	335.0	Rupees Three Hundred Thirty Five Only
	Above 125%	cum	2522.45	335.0	Rupees Three Hundred Thirty Five Only
38	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 32mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work	M	7660.80	143.0	Rupees One Hundred Forty Three Only
39	Refilling available erath around pipelines calbes in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under Item as per the directions of the Engineer-in-charge of the work	cum	1092.43	90.0	Rupees Ninety Only
	Above 125%	cum	1933.12	90.0	Rupees Ninety Only
40	KSRB 4-1.3 ; Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, inciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(Page No.12, Item No.4.3) KPWD SR 2016-17	cum	658.80	5767.0	Rupees Five Thousand Seven Hundred Sixty Seven Only

Sl No	Description of work	Unit	App Qty	Rate in Figures	Rate in Words
41	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) as per the directions of the Engineer-in-charge of the work	cum	658.80	6951.0	Rupees Six Thousand Nine Hundred Fifty One Only
42	Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification and as per the directions of the Engineer-in-charge of the work	Cum	728.28	112.0	Rupees One Hundred Twelve Only
	Above 125%	cum	589.33	111.74	Rupees One Hundred Eleven And Paise Seventy Four Only

Contractor

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